

Fig. 1

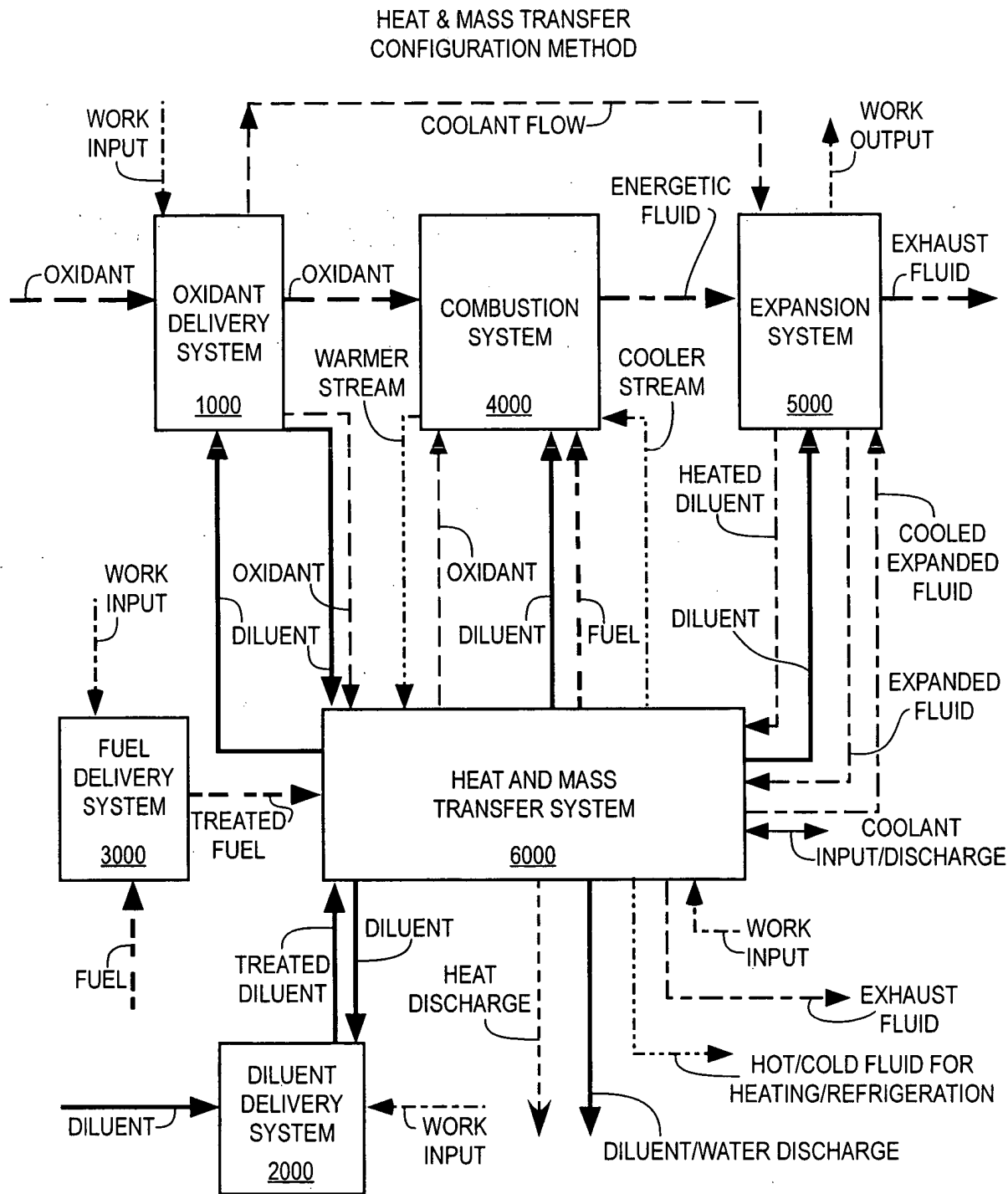
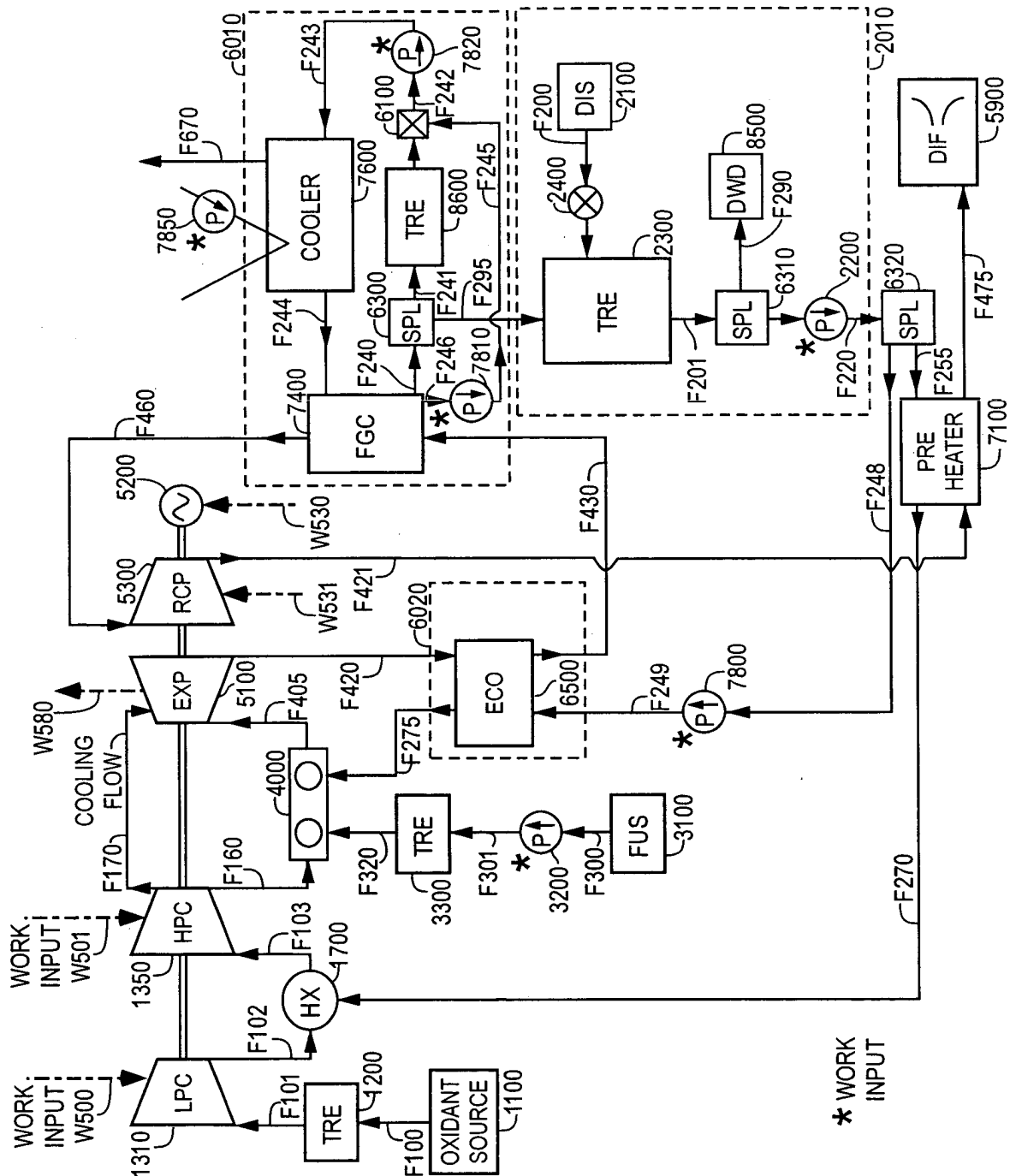


Fig. 2



[illegible]

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Fig. 5

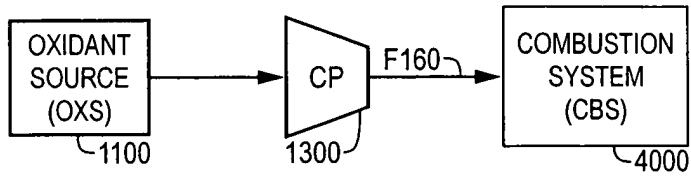


Fig. 6

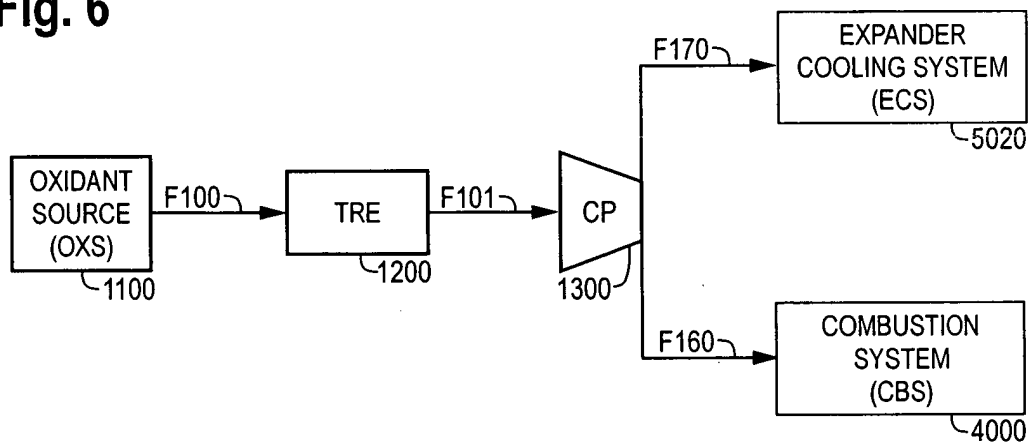
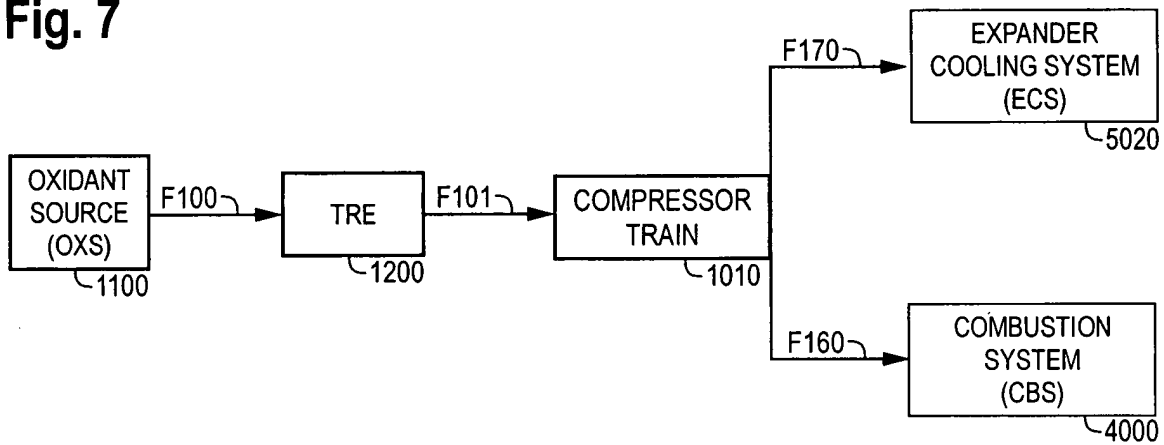


Fig. 7



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Fig. 8

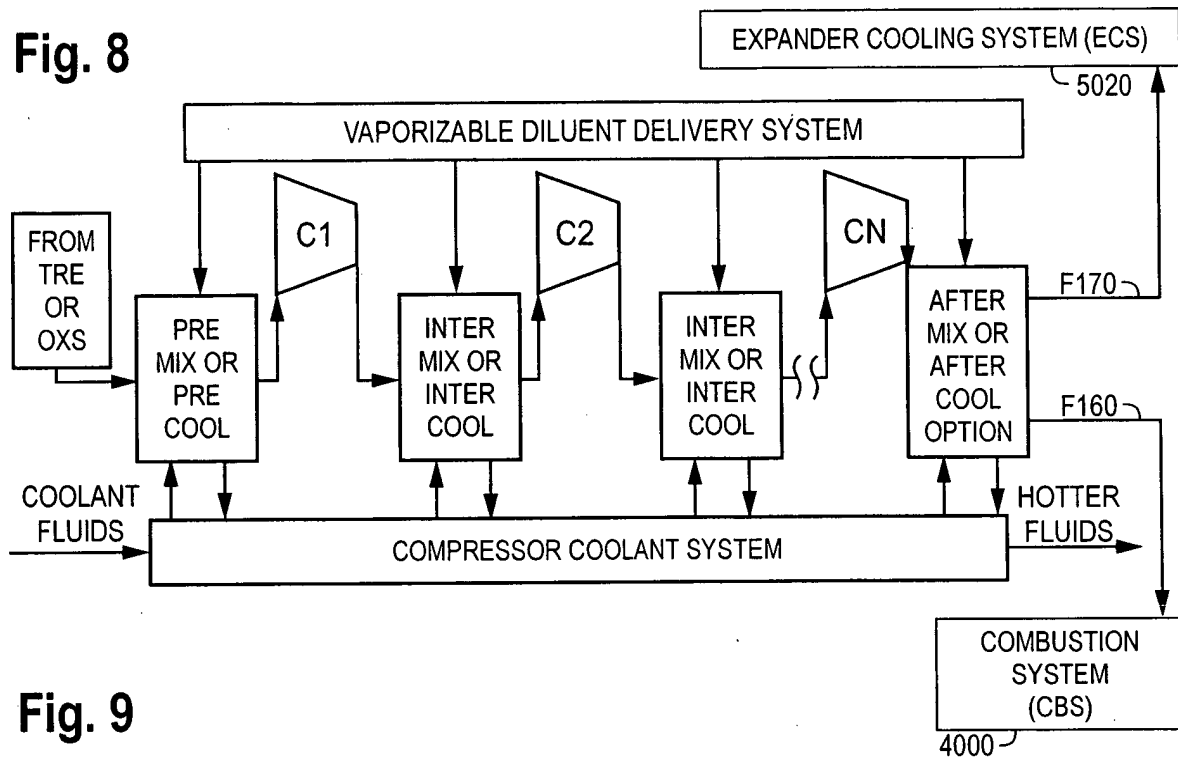


Fig. 9

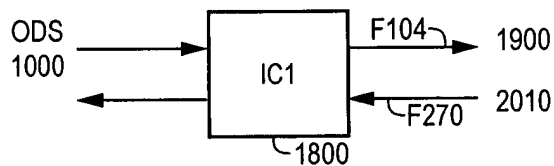


Fig. 10

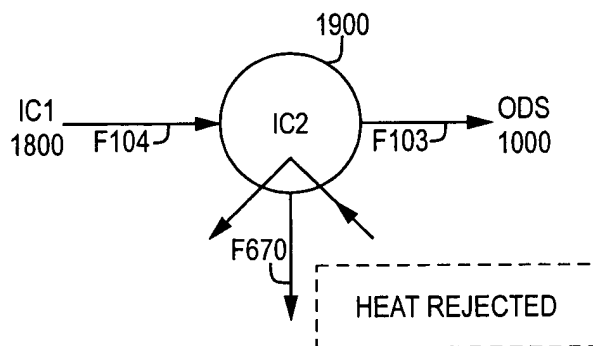
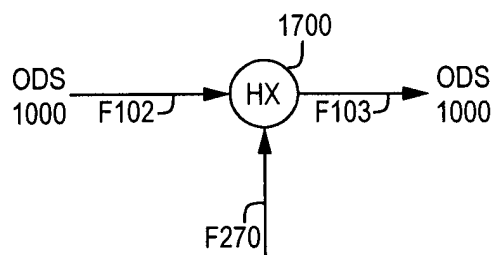


Fig. 11



[illegible]

The diagram illustrates a gas turbine engine system. An input line enters a box labeled "MIX". The output of "MIX" goes to a large box labeled "VAPORIZABLE DILUENT". From the bottom of this box, three lines lead to compressor stages labeled "C1", "C2", and "CN". Each compressor stage has a downward arrow indicating flow to a "COMPRESSOR DRAIN" box at the bottom. A line from the "FROM TRE OR OXS" box (labeled 1100 OR 1200) enters the "C1" stage. A line from the "VAPORIZABLE DILUENT" box also enters the "C1" stage. A line from the "C2" stage goes to the "CN" stage. A line from the "CN" stage goes to a box labeled "EXPANDER COOLING SYSTEM (ECS)" (labeled 5020) and another line goes to a box labeled "COMBUSTION SYSTEM (CBS)" (labeled 4000). A line from the "COMPRESSOR DRAIN" box goes back to the "MIX" box.

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Fig. 14

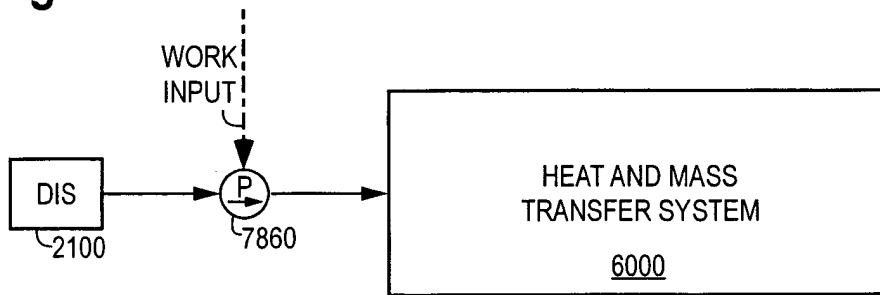


Fig. 15

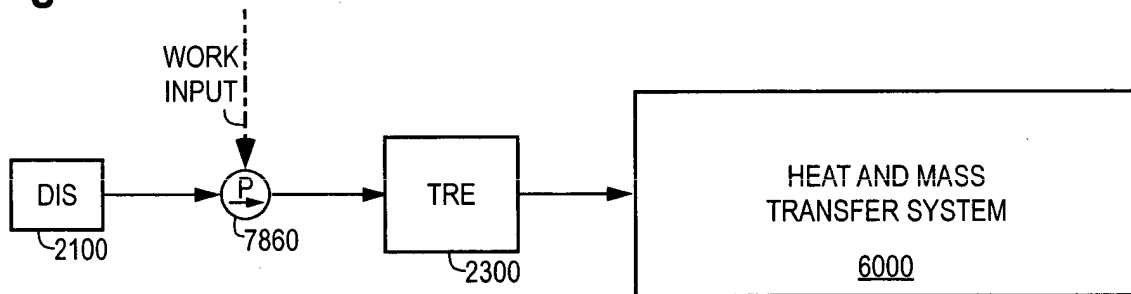


Fig. 16

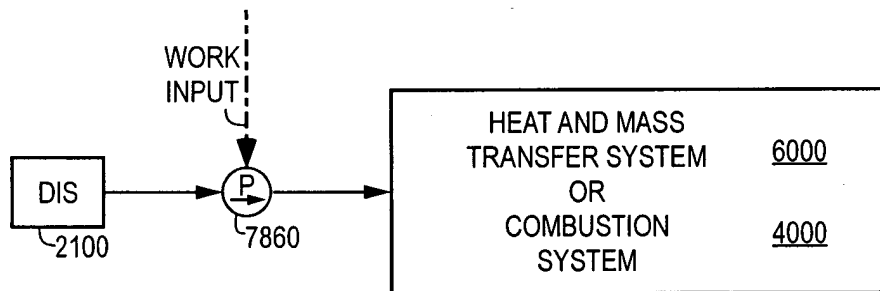
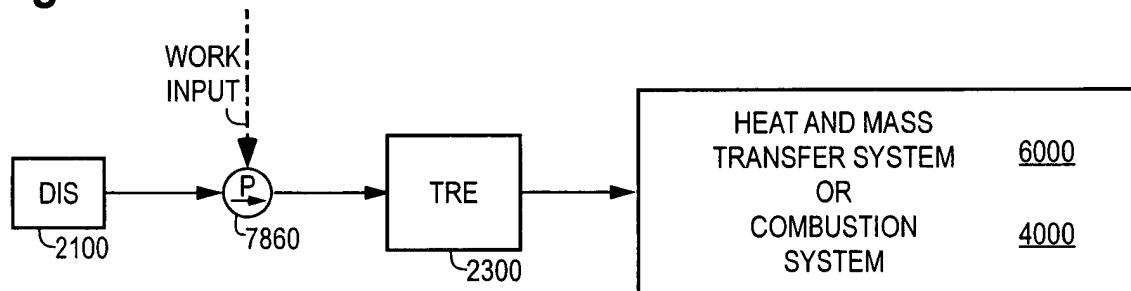


Fig. 17



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Fig. 18

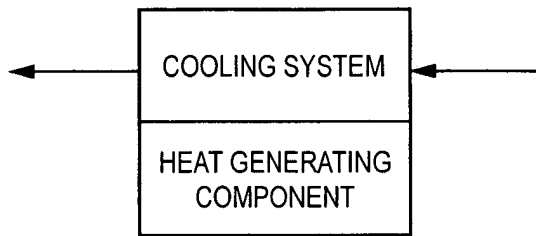


Fig. 19

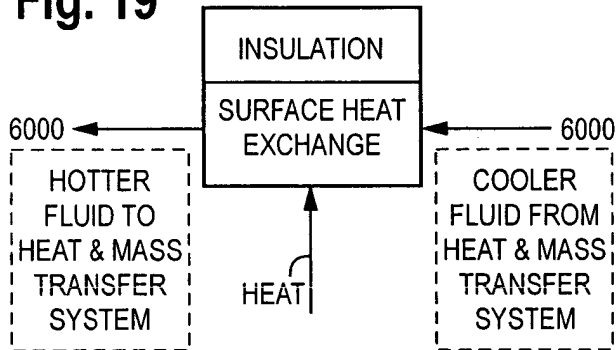


Fig. 20

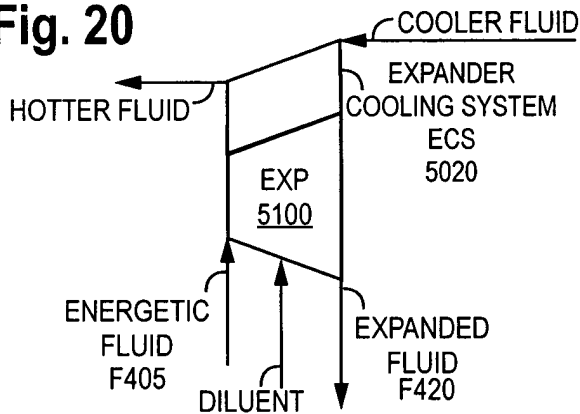


Fig. 21

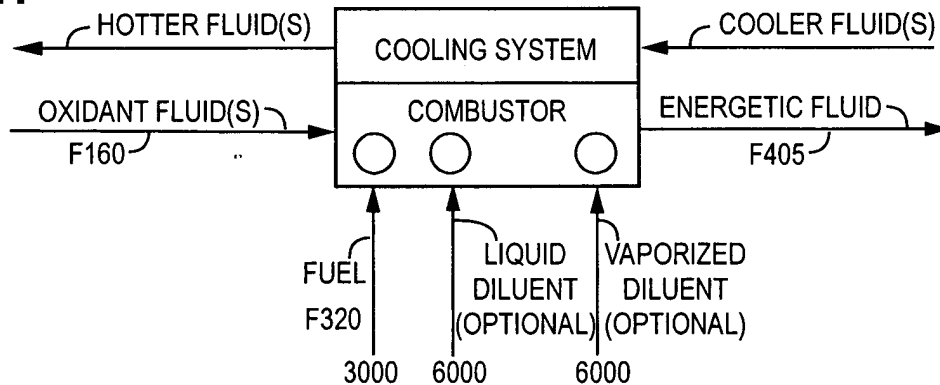


Fig. 22

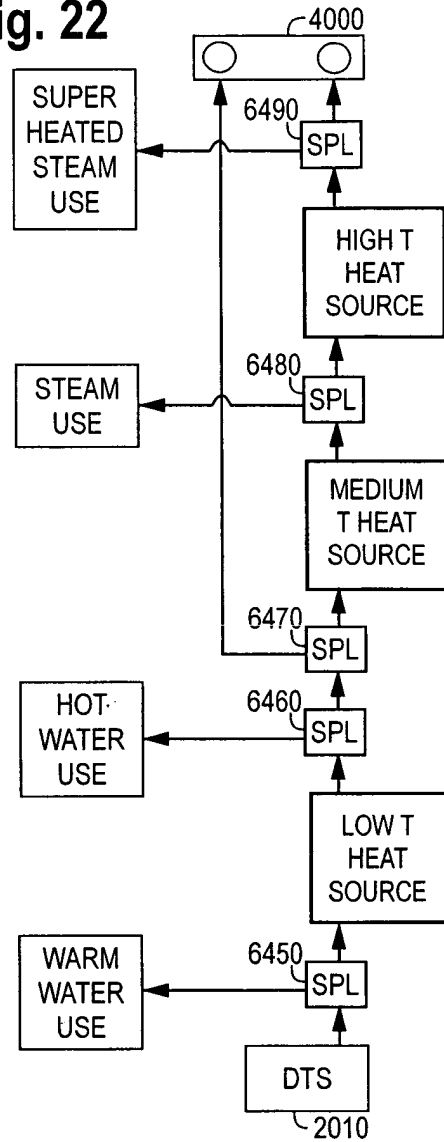


Fig. 23

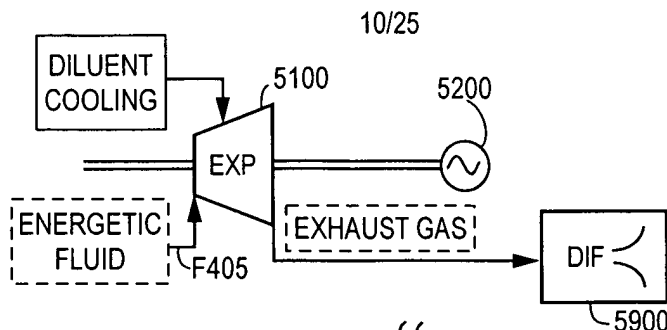


Fig. 24

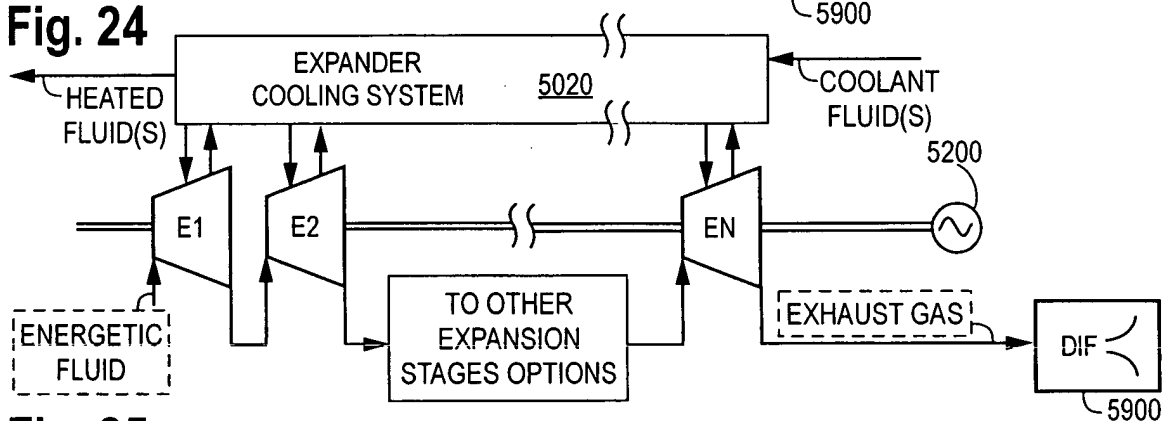


Fig. 25

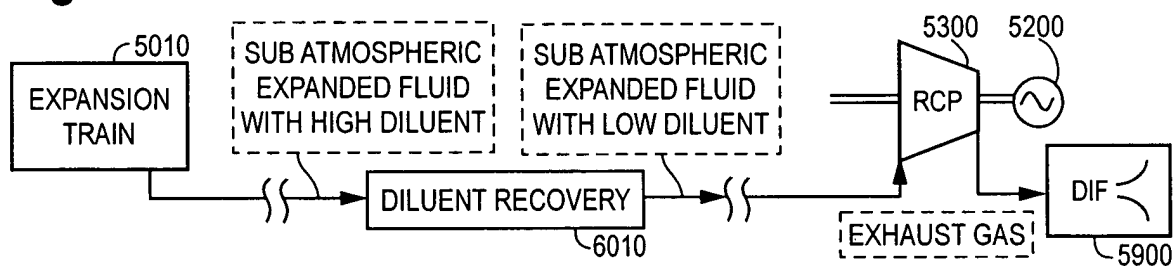


Fig. 26

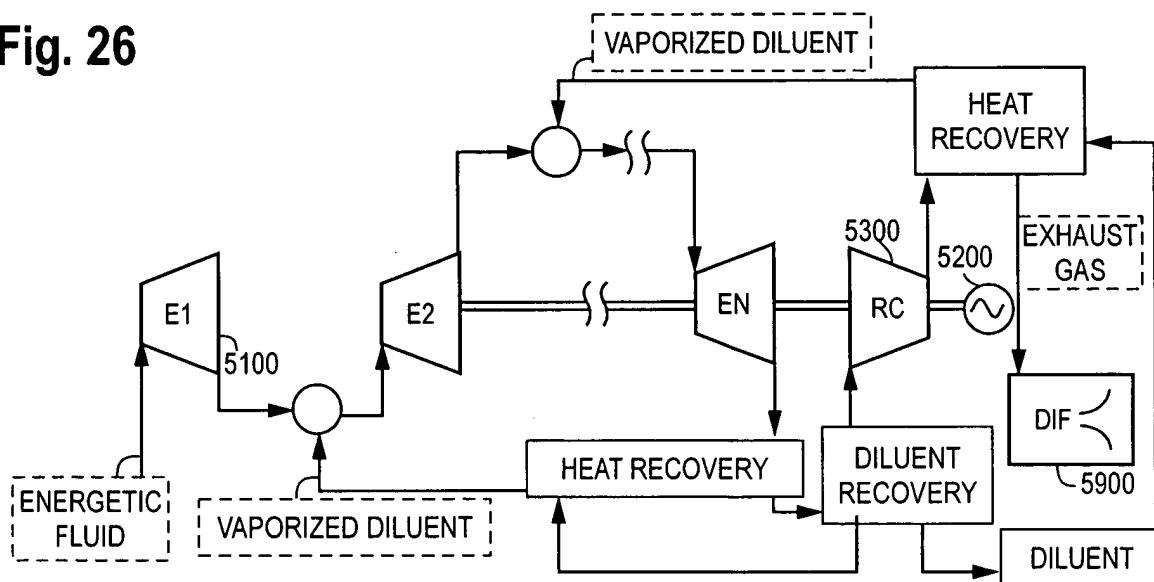


Fig. 28

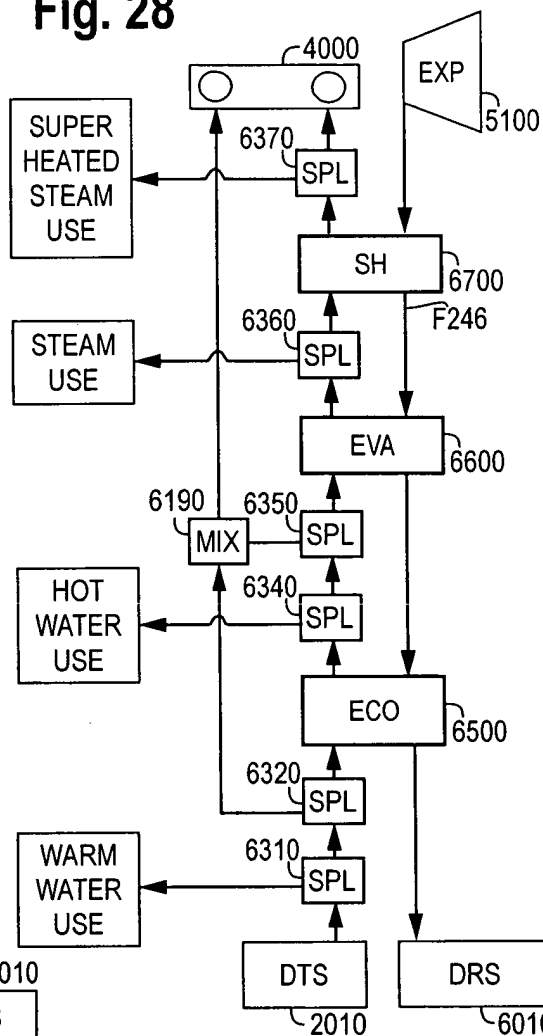


Fig. 29

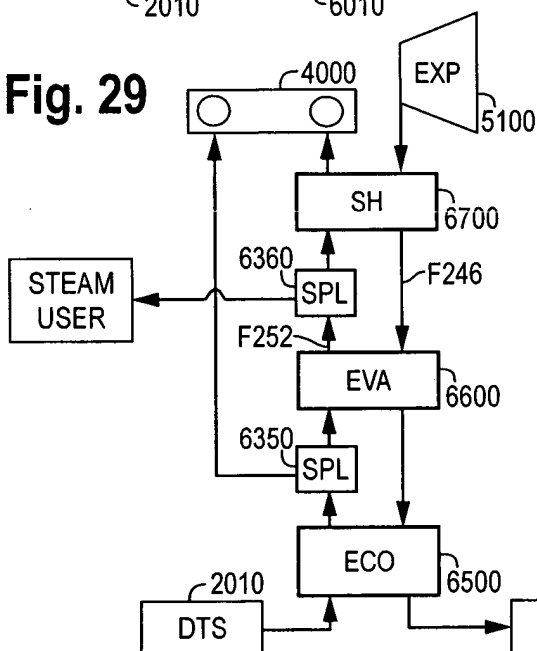


Fig. 30

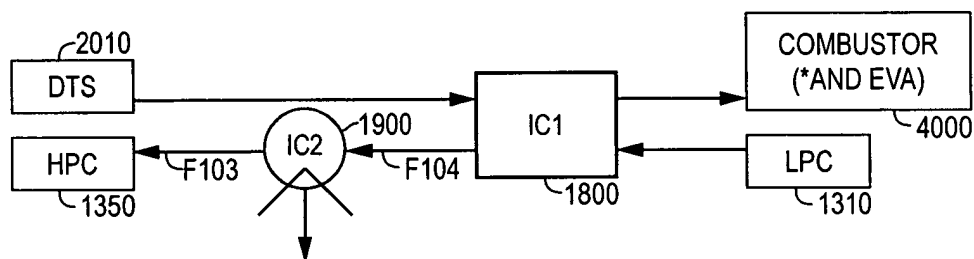


Fig. 31

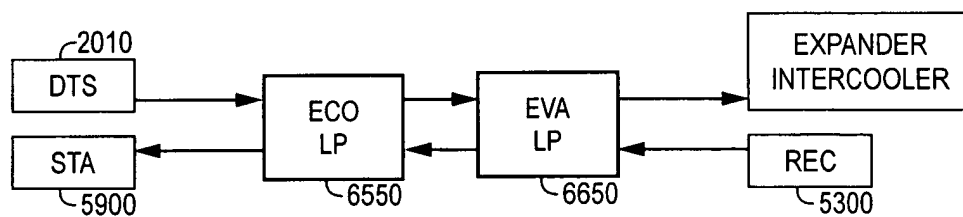
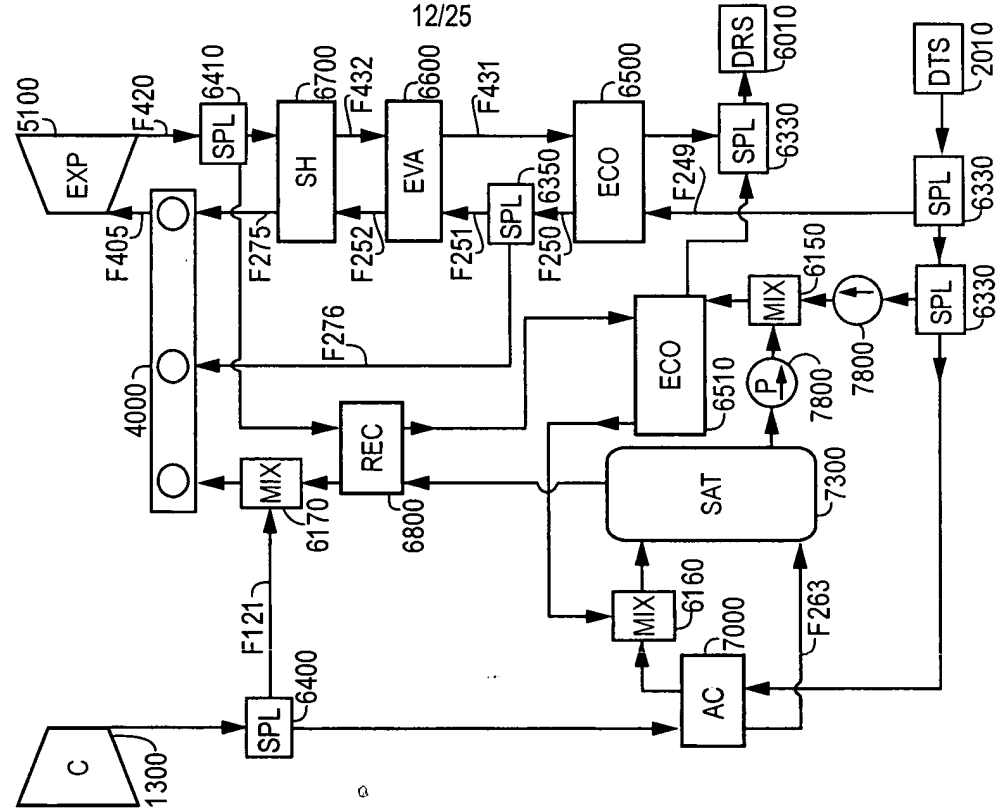


Fig. 33



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Fig. 34

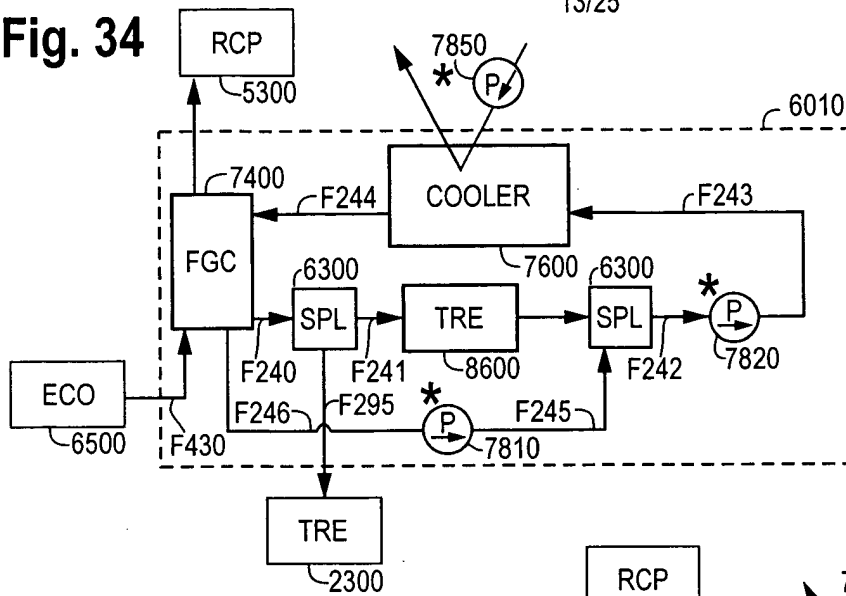


Fig. 35

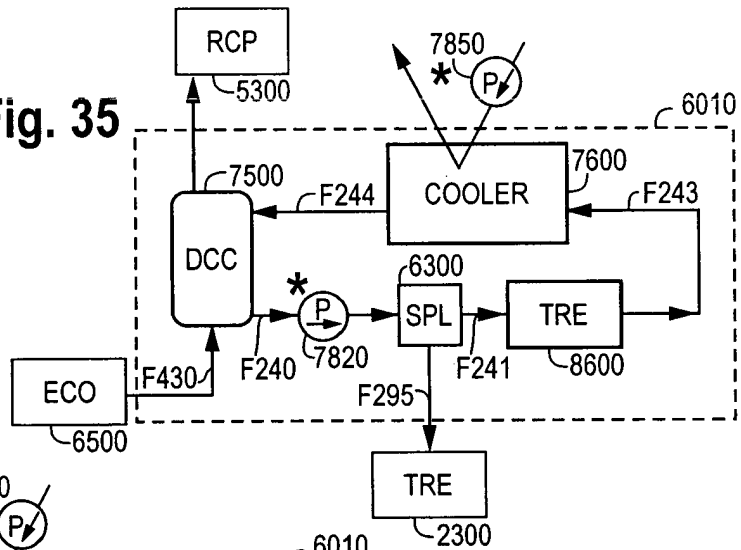


Fig. 36

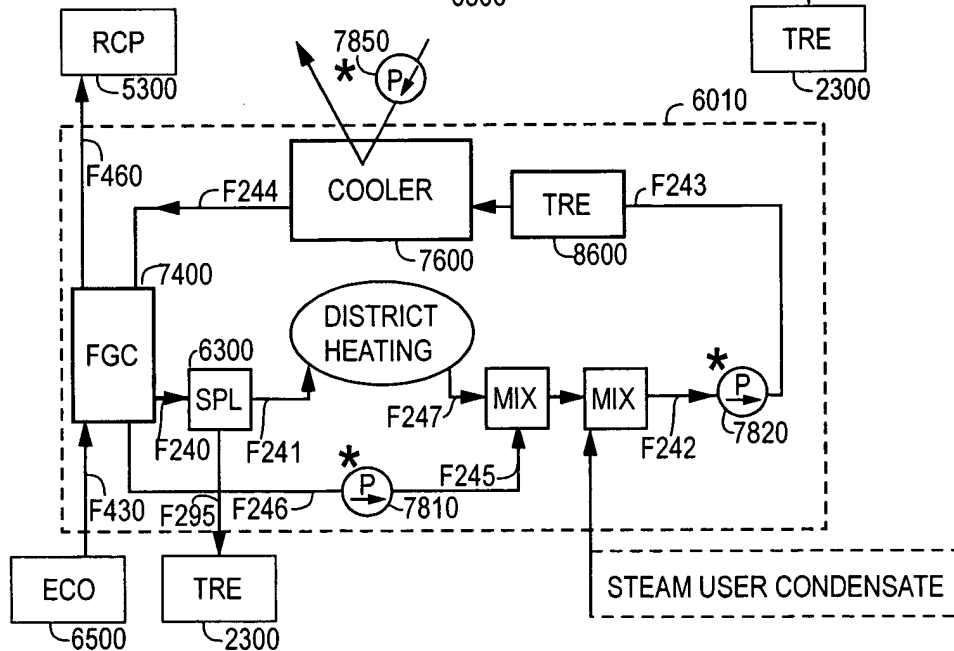
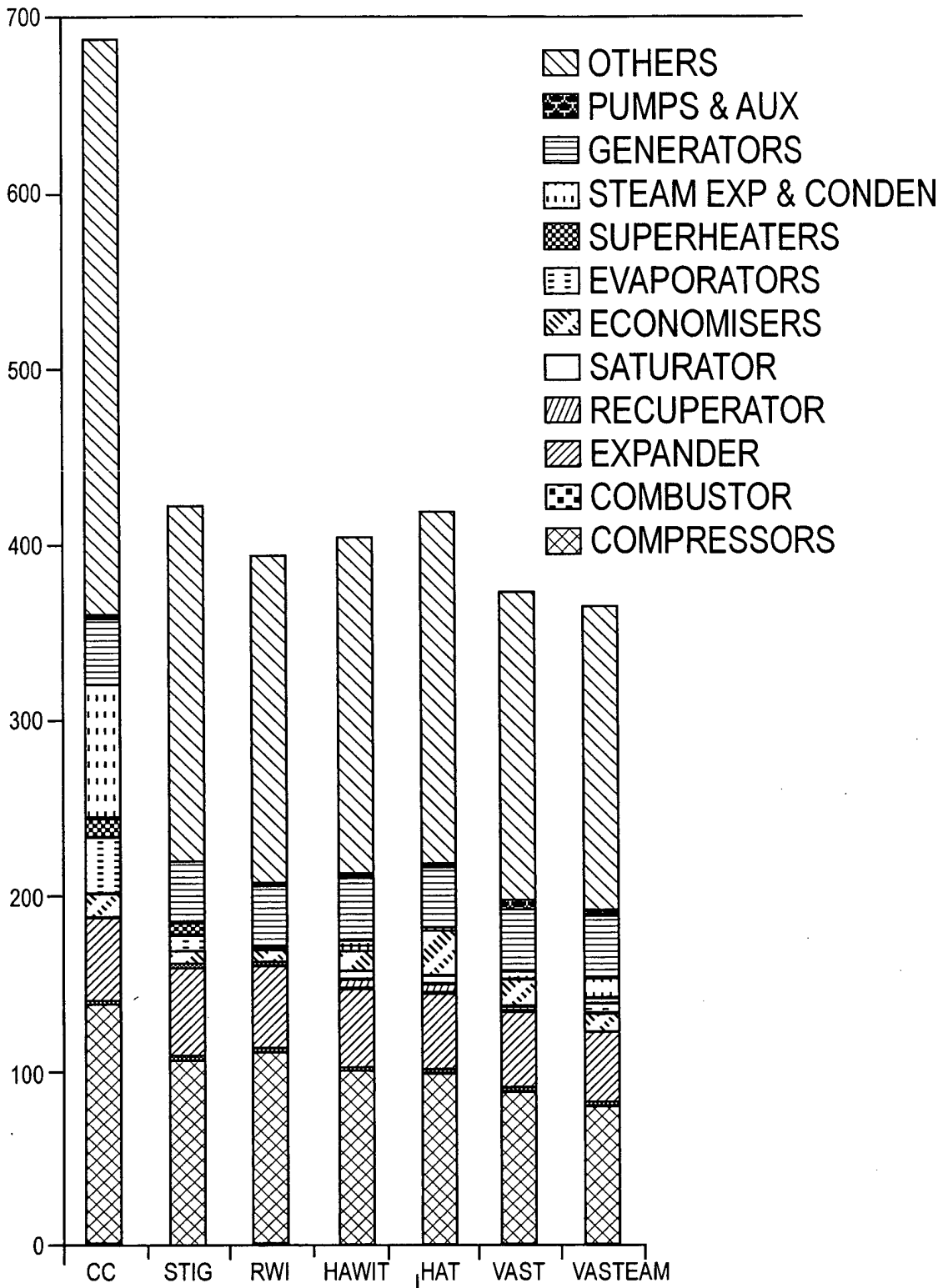


Fig. 37



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Fig. 38

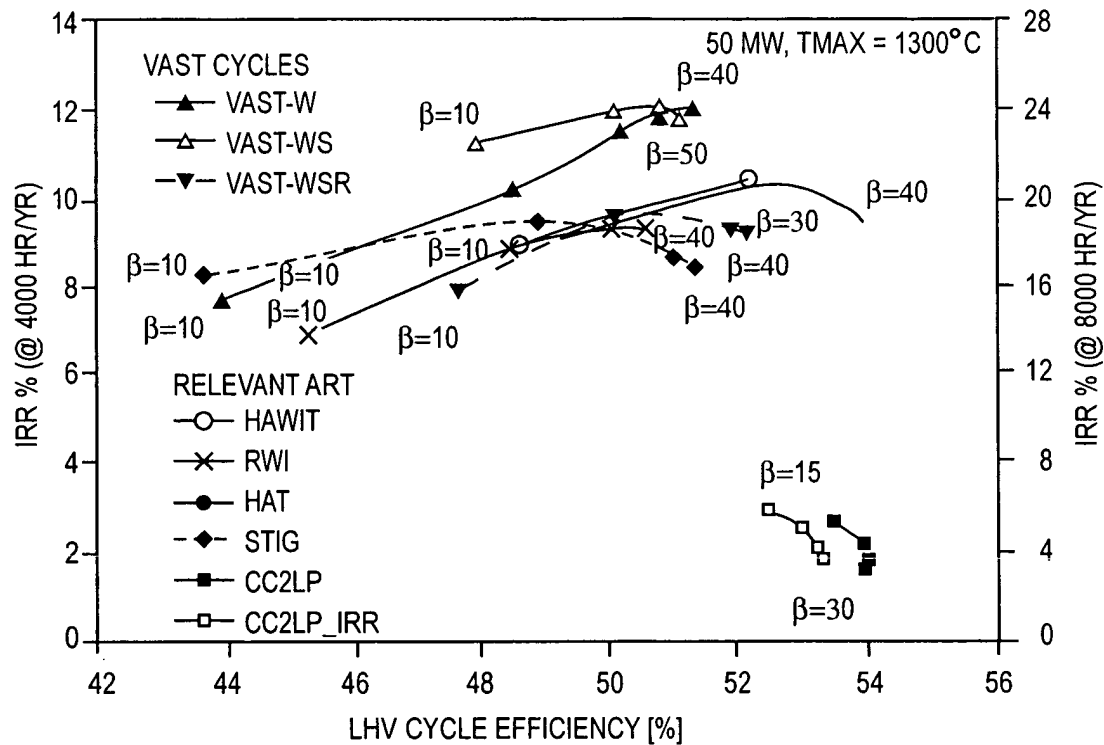


Fig. 39

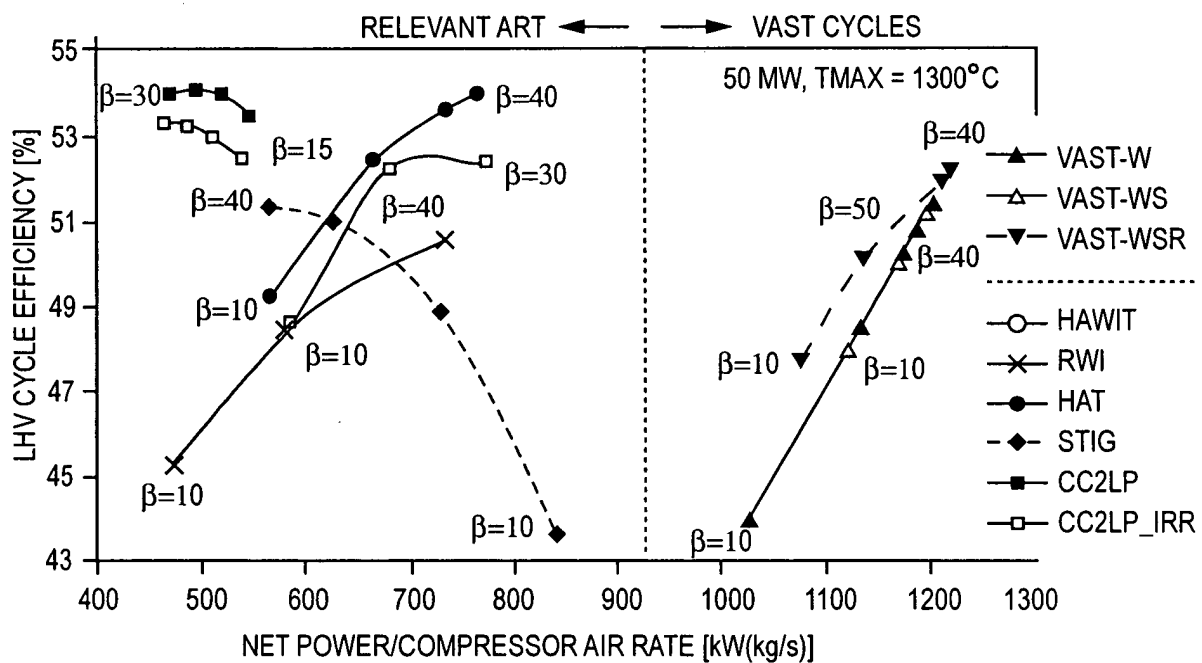


Fig. 40

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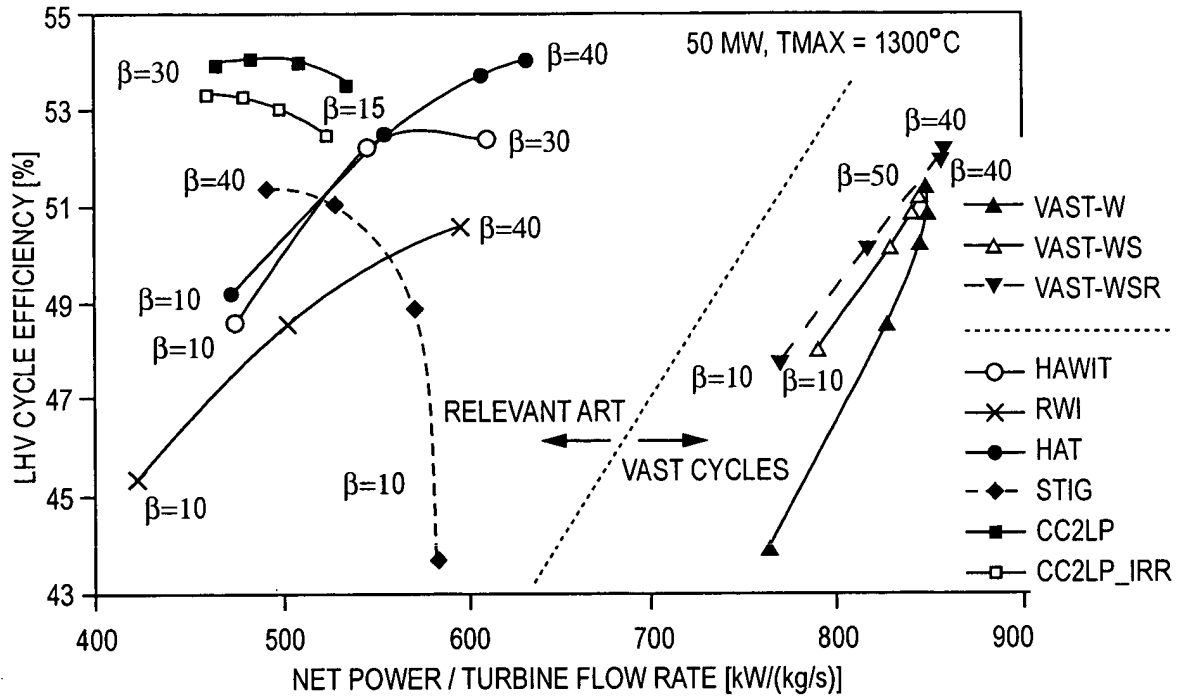
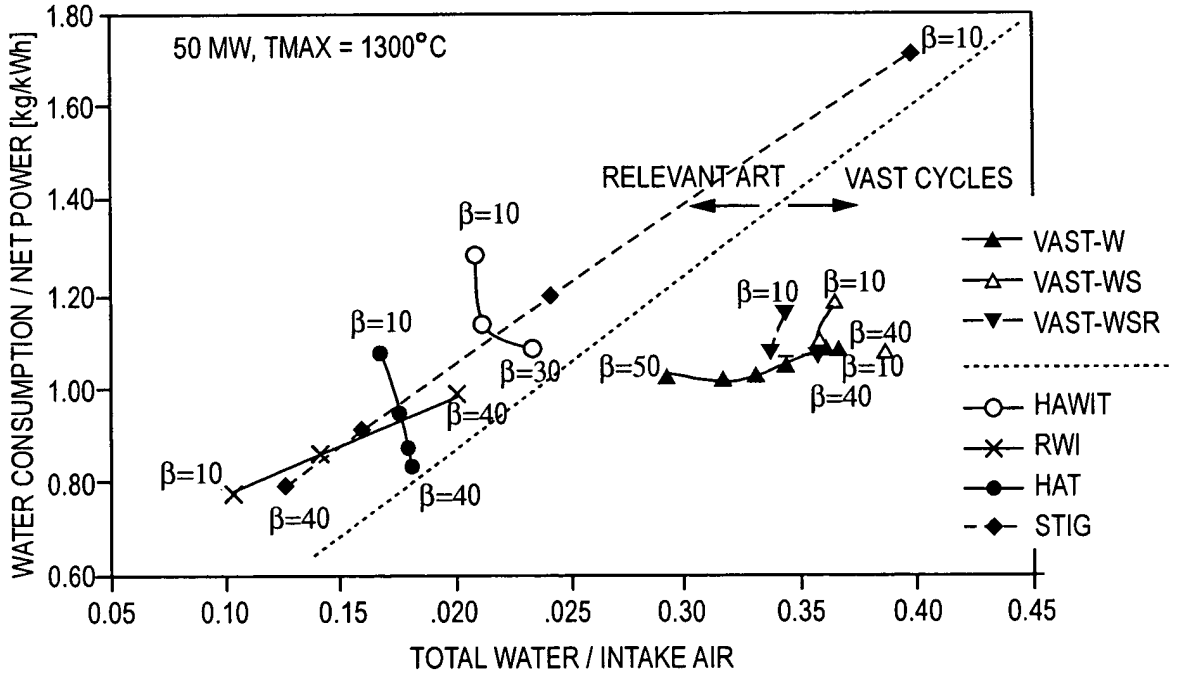


Fig. 41



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Fig. 42

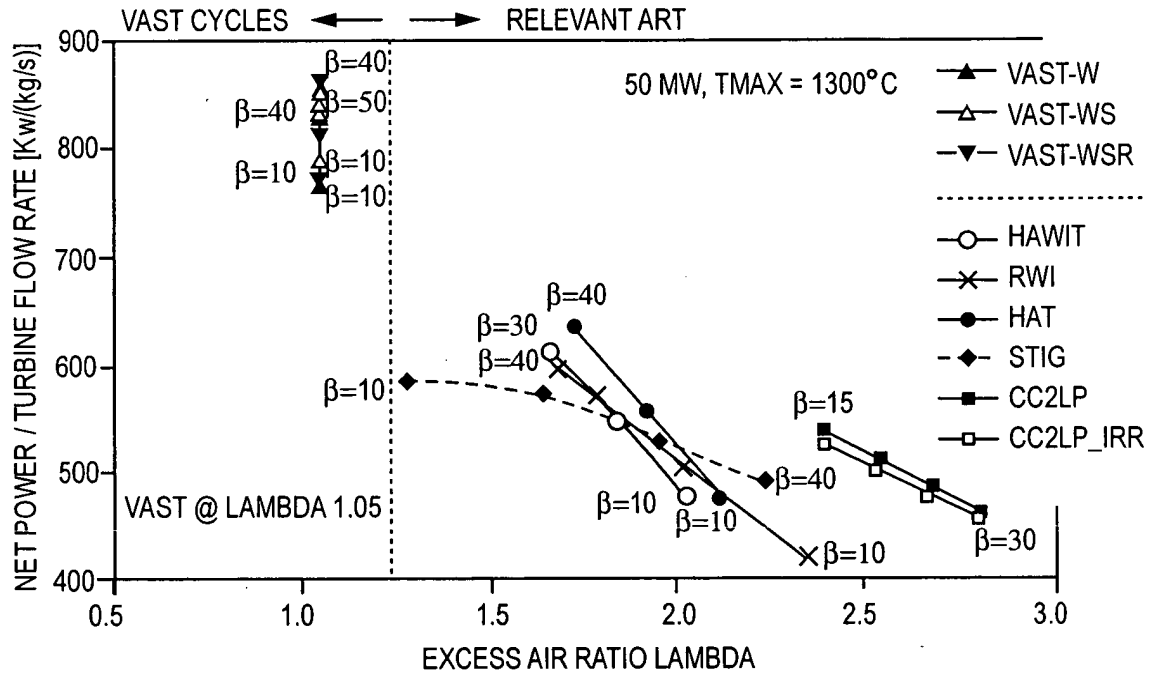
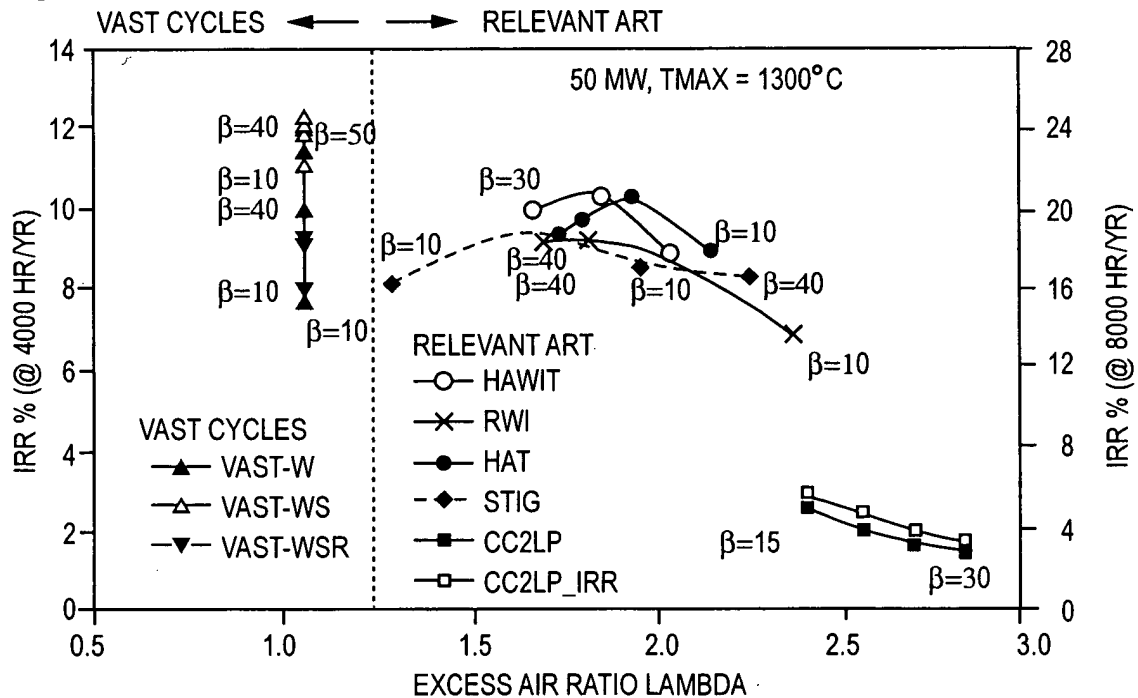


Fig. 43



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Fig. 44

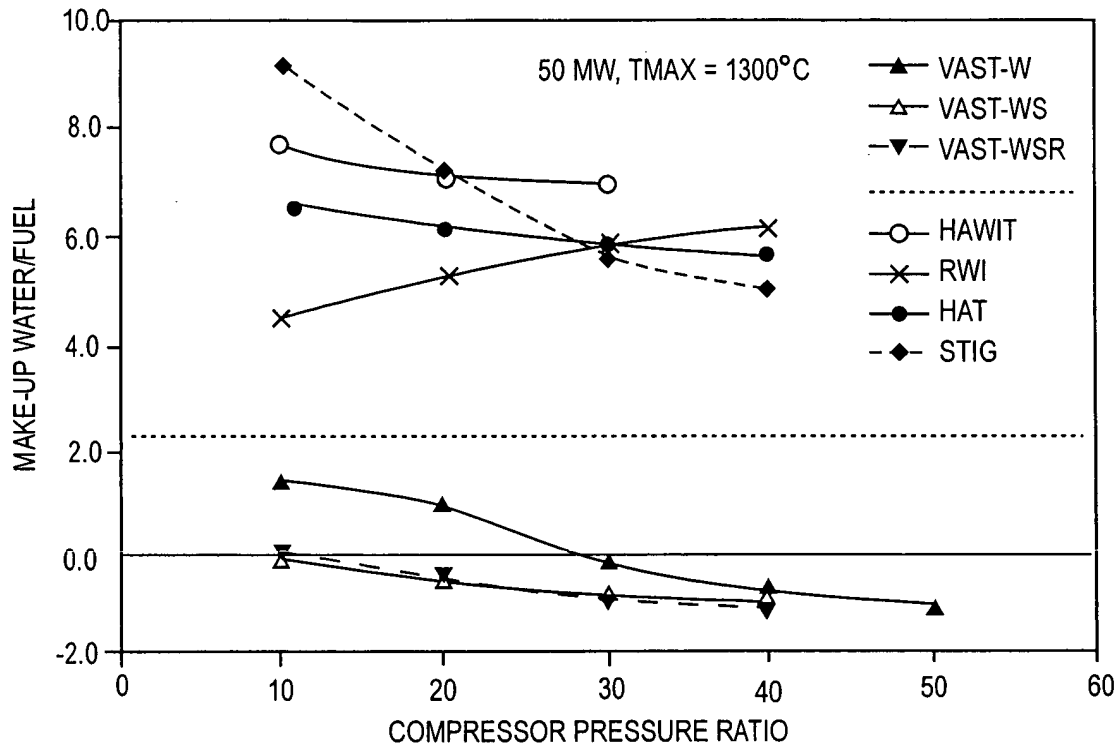
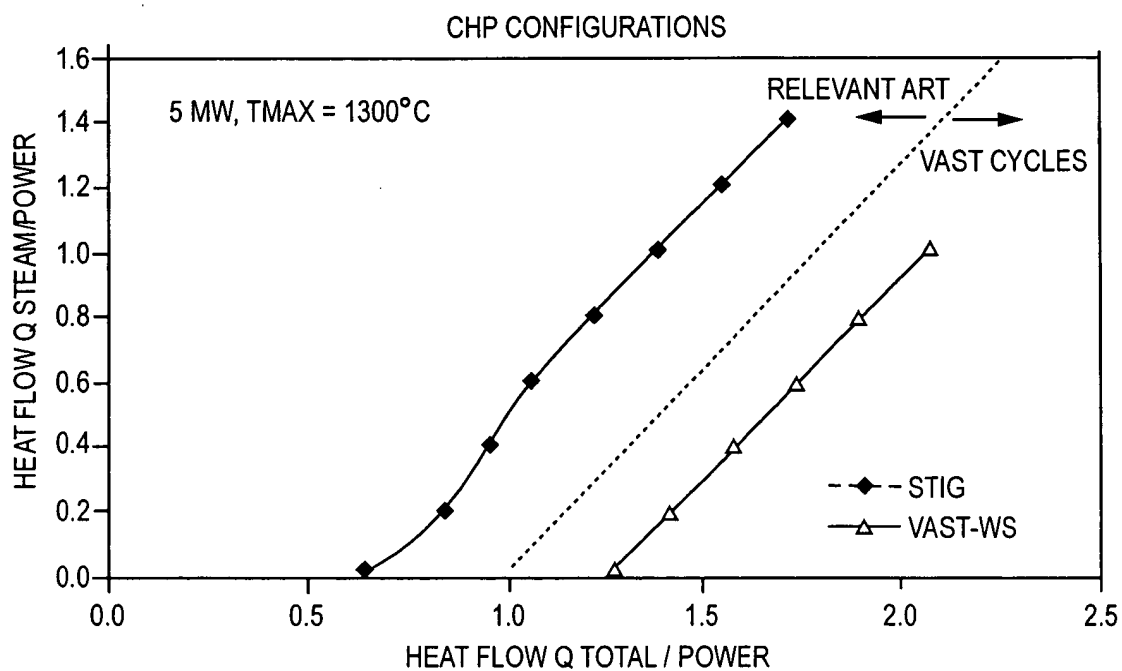


Fig. 45



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Fig. 46

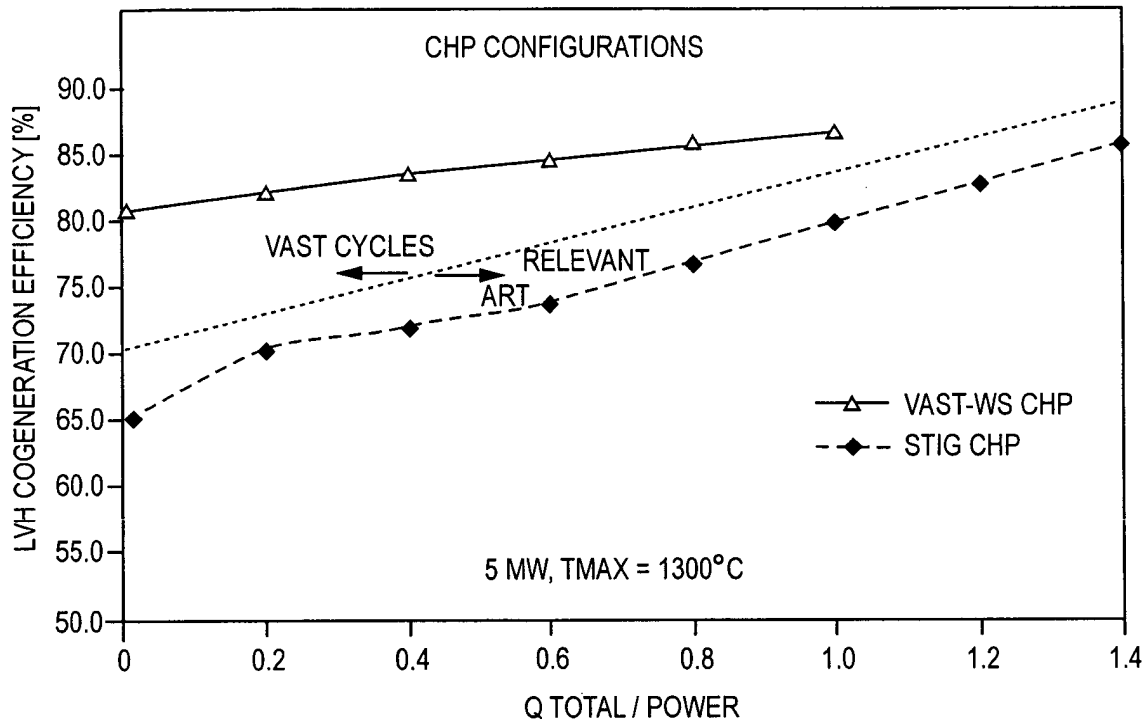
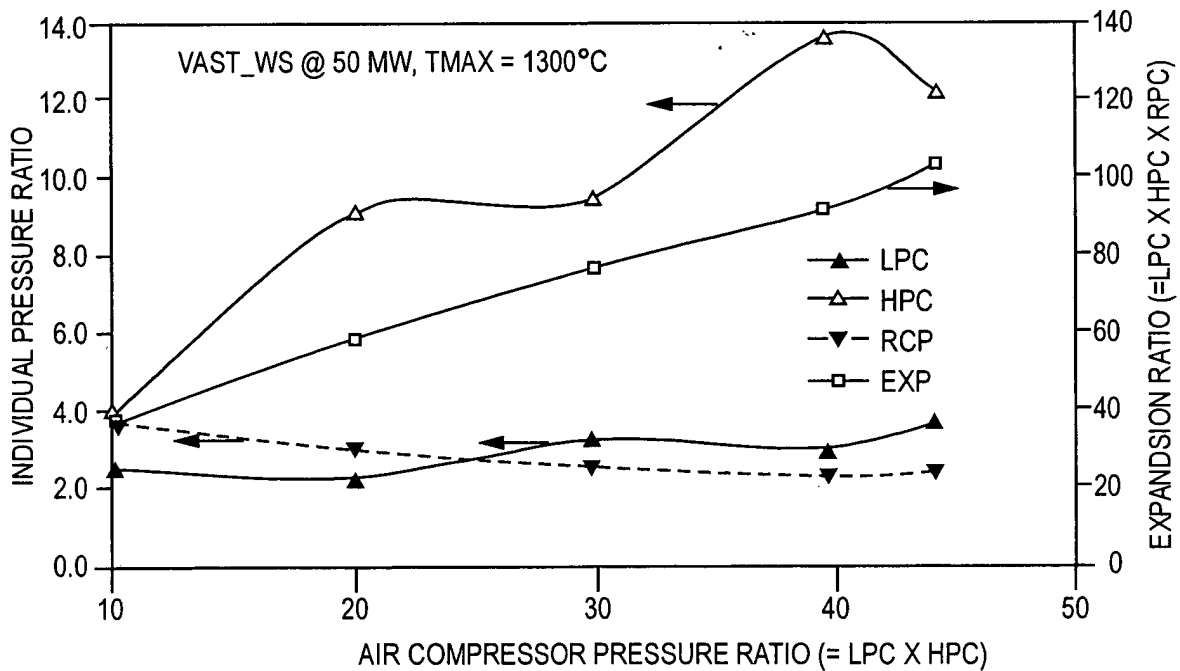


Fig. 47



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Fig. 48

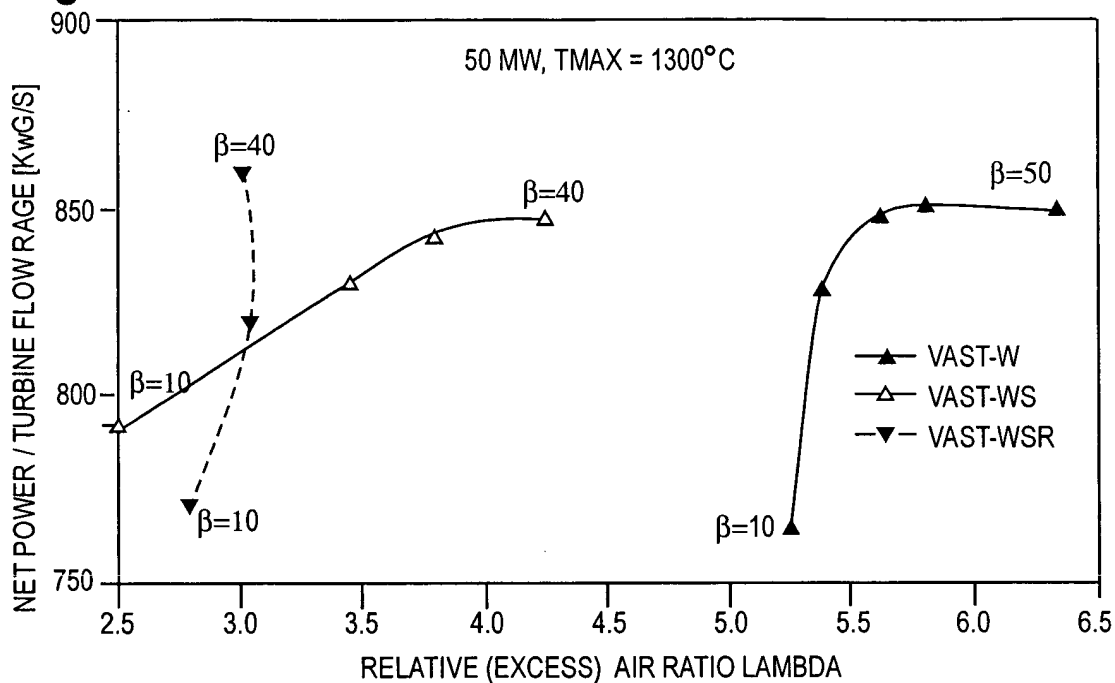
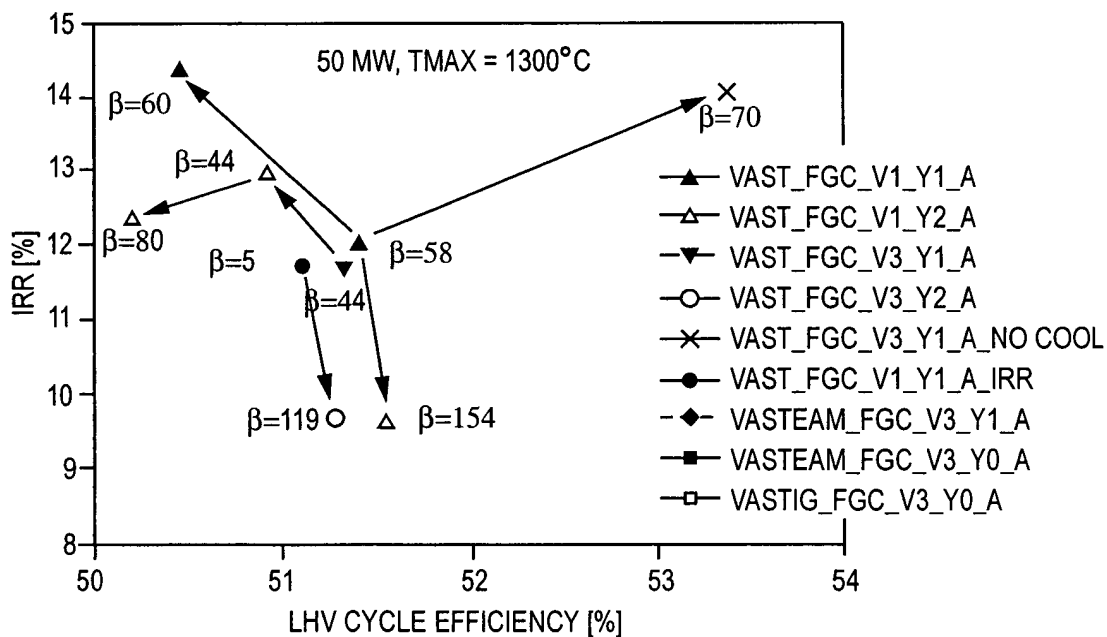


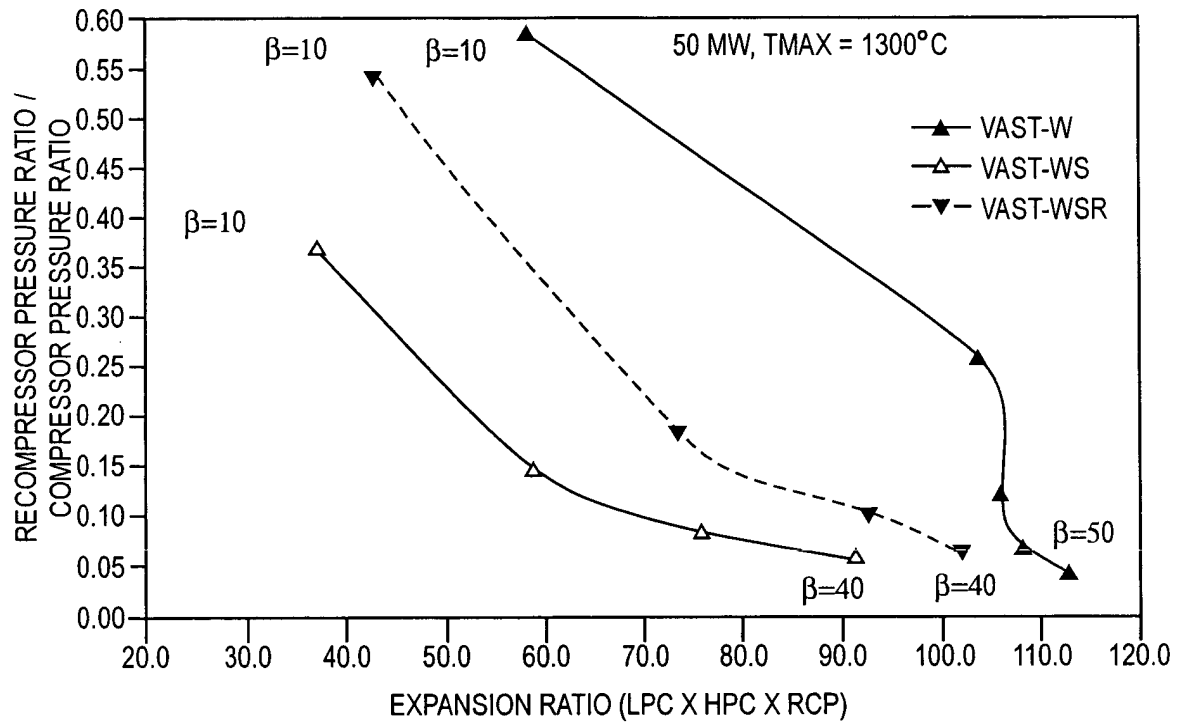
Fig. 49

PRESSURE RATIOS FOR VAST-WS



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Fig. 50



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Fig. 51

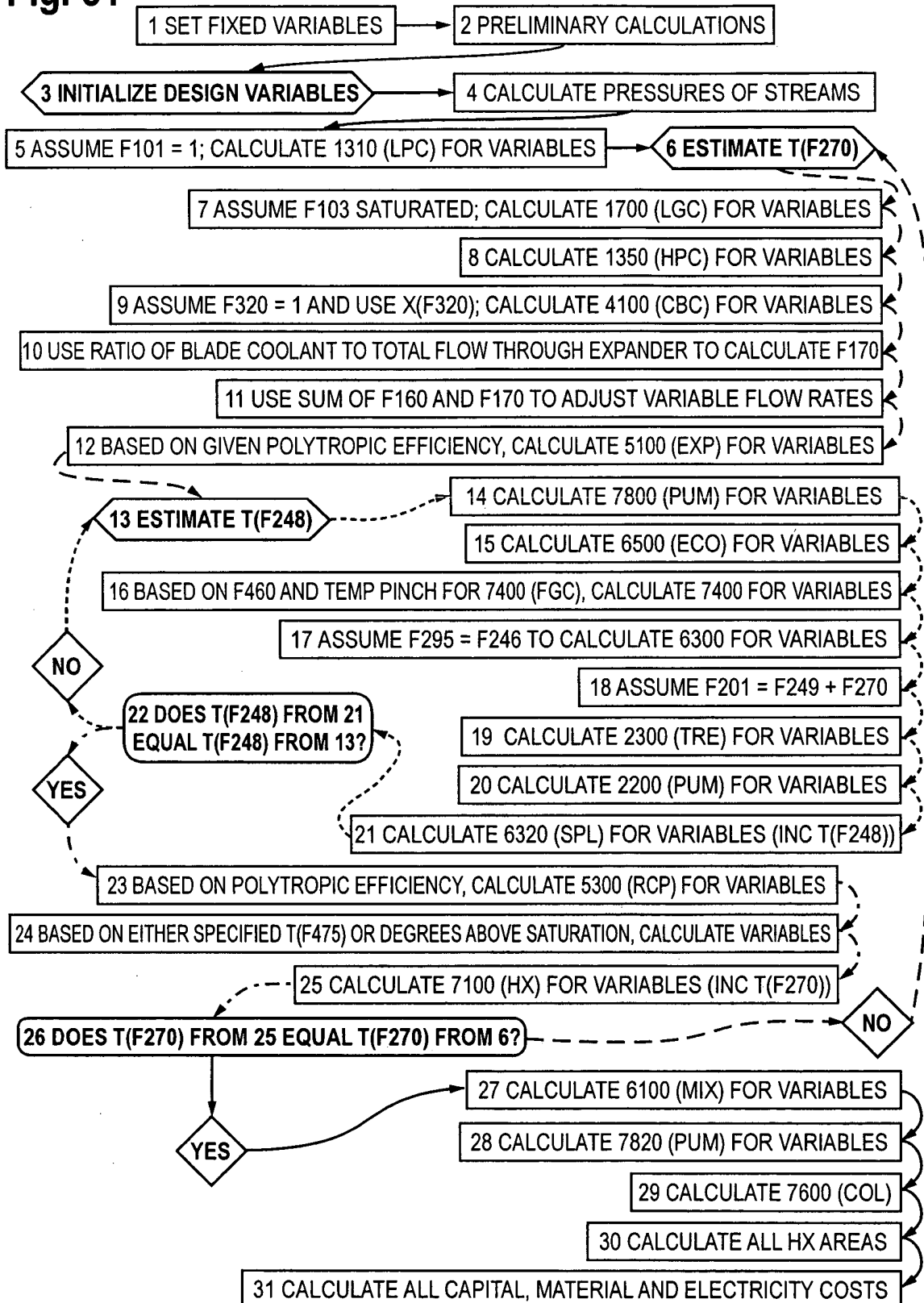


Fig. 52

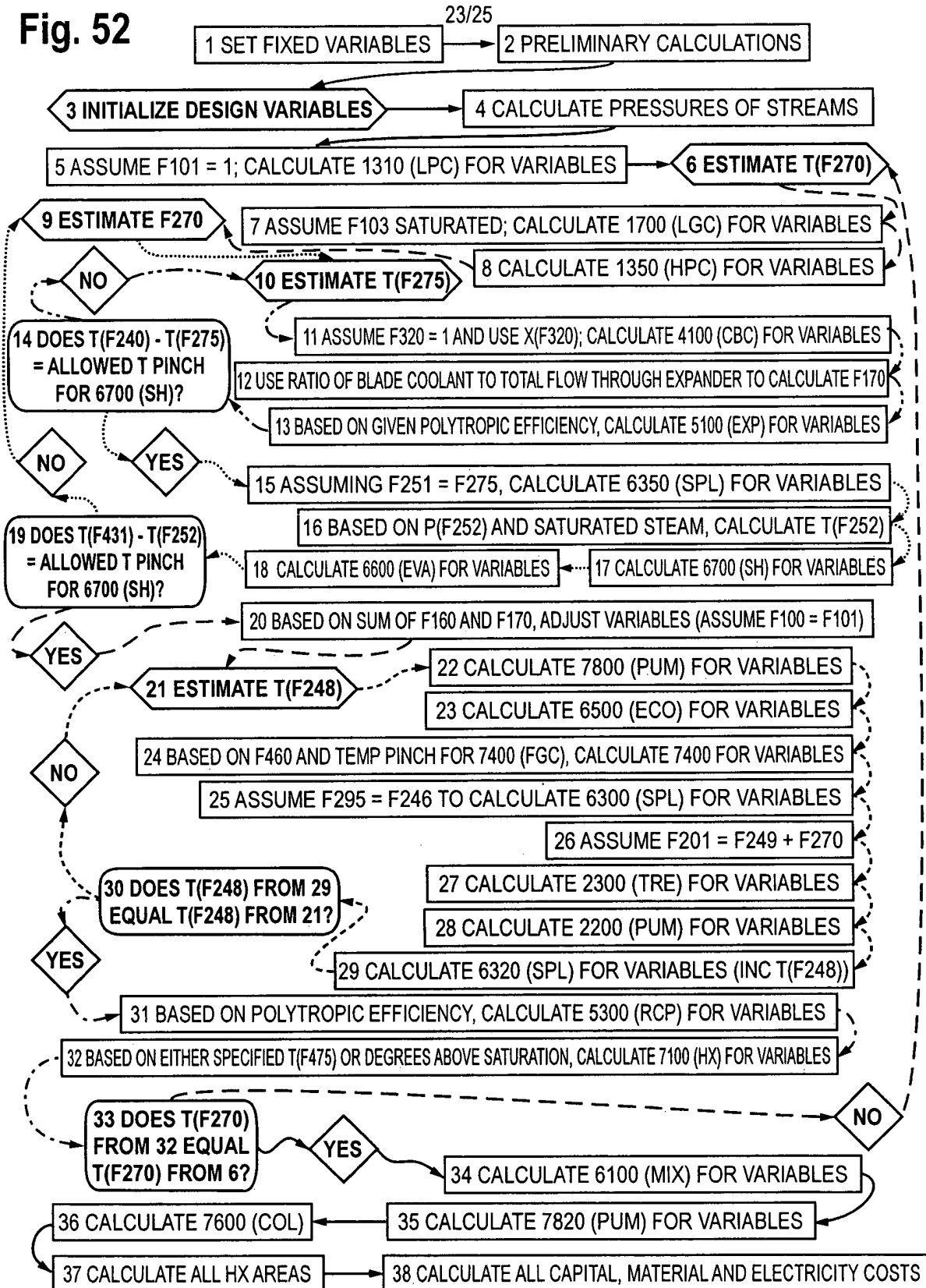


Fig. 53 RELEVANT ART

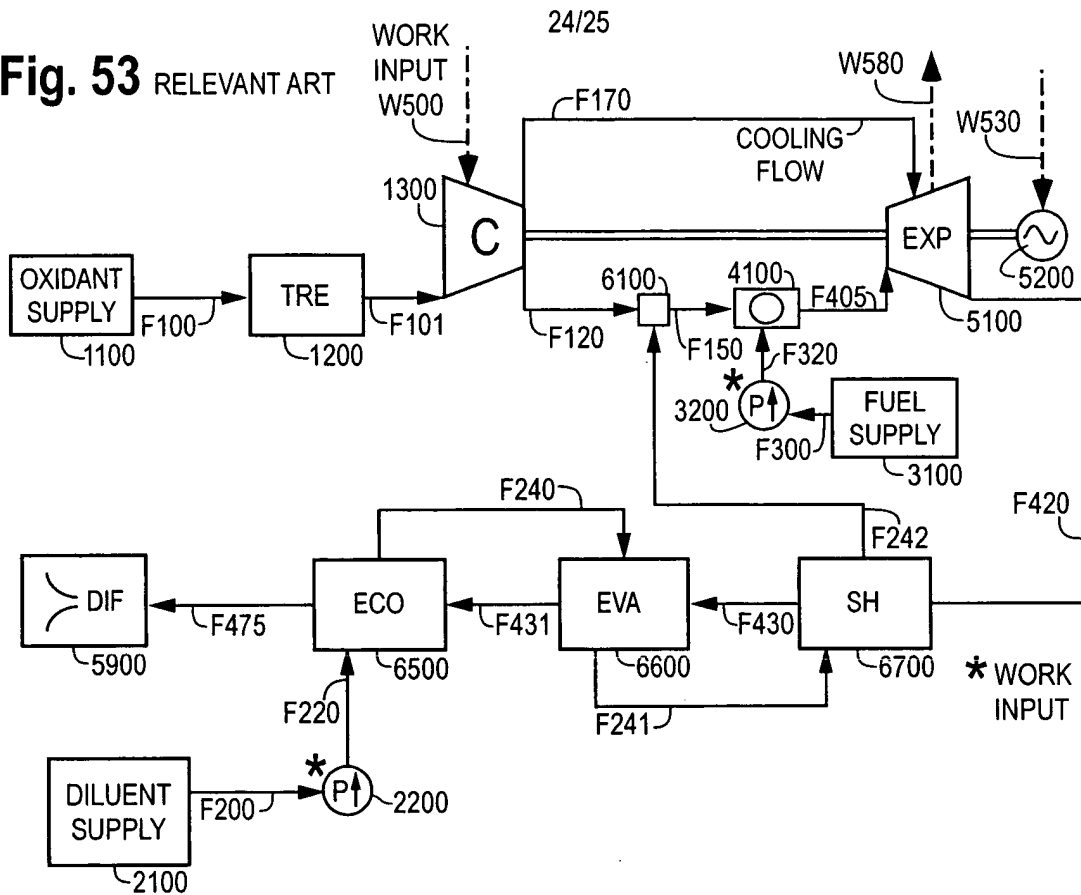


Fig. 54 RELEVANT ART

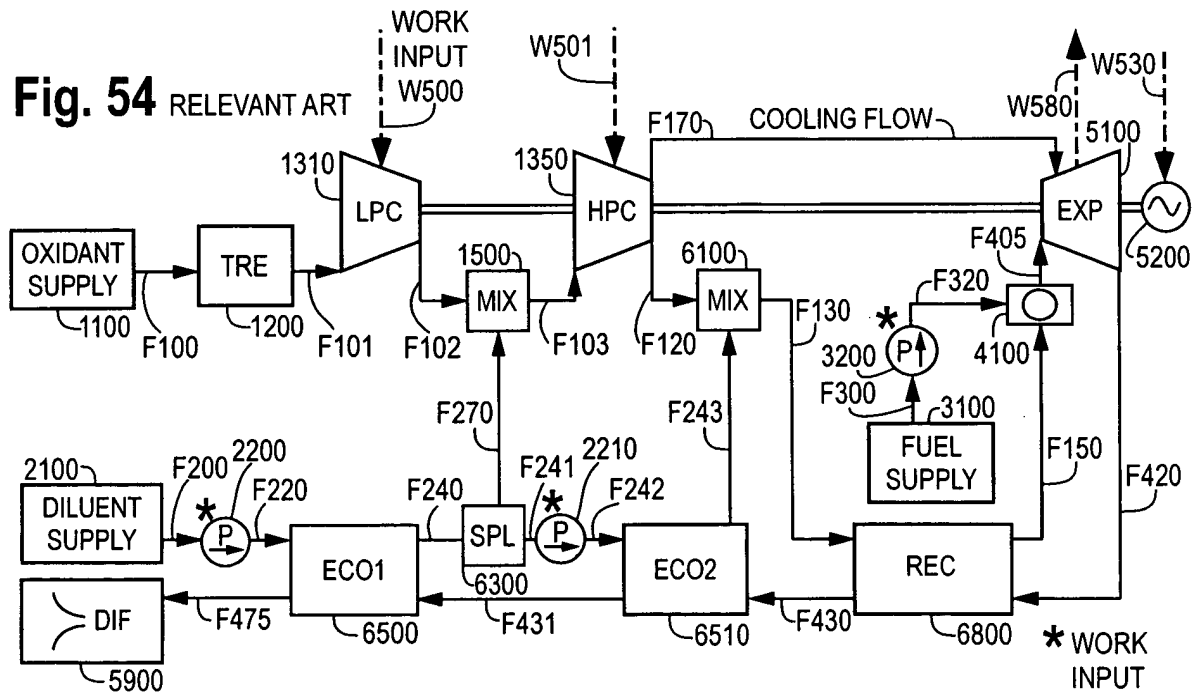


Fig. 55

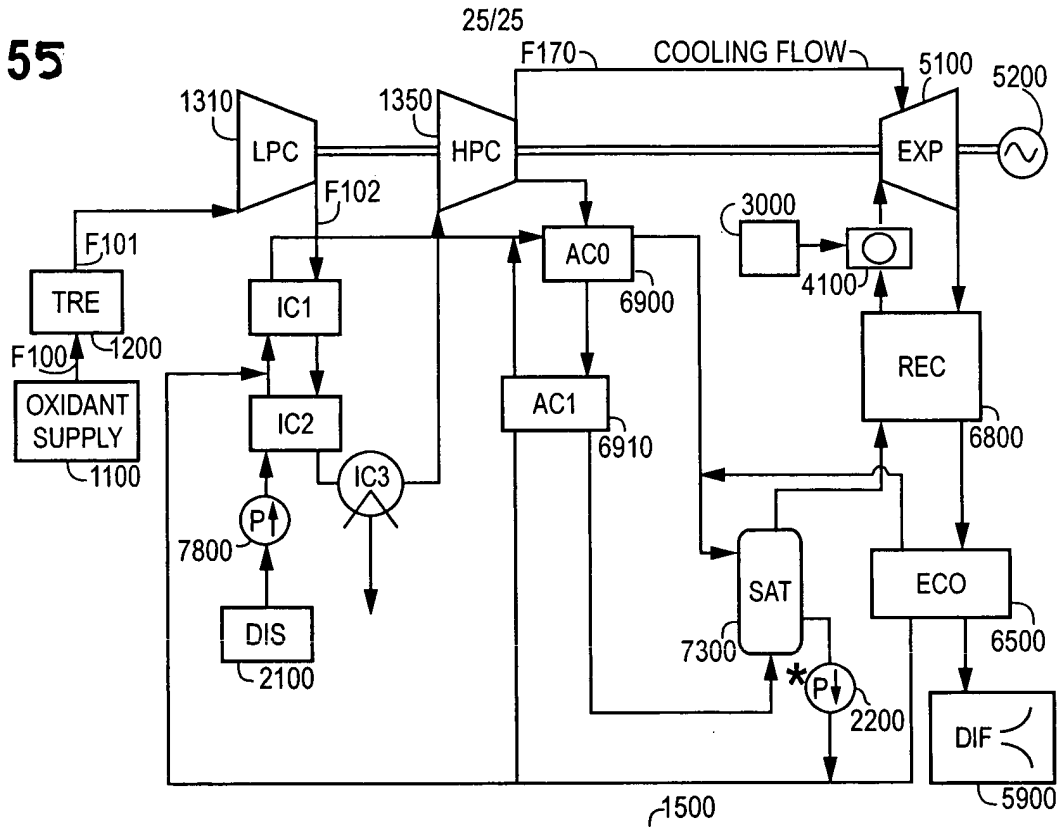


Fig. 55

